



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6:

A61M 29/00

A1

(11) International Publication Number:

WO 97/15346

(43) International Publication Date:

1 May 1997 (01.05.97)

(21) International Application Number: PCT/US96/17079

(22) International Filing Date: 24 October 1996 (24.10.96)

(30) Priority Data:

08/548,459

26 October 1995 (26.10.95)

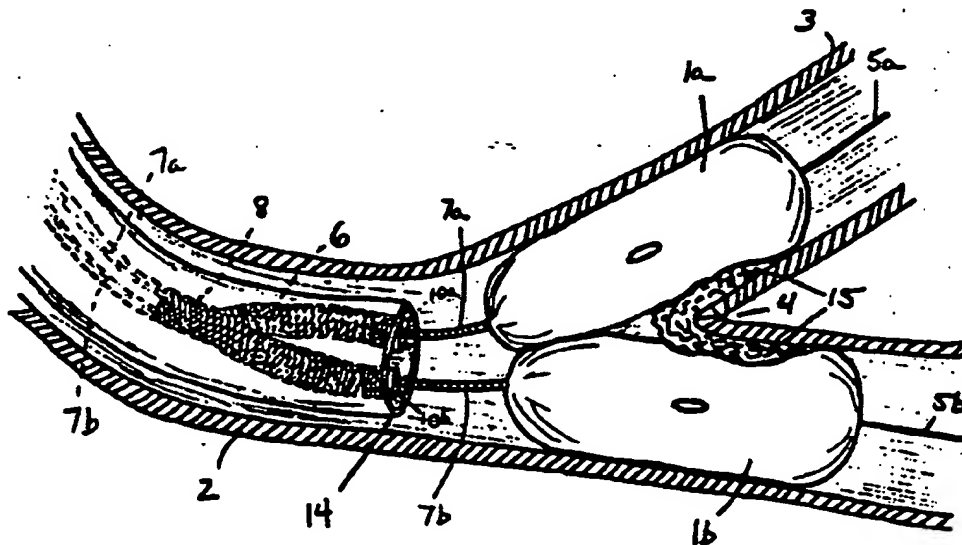
US

(71)(72) Applicant and Inventor: SHAKNOVICH, Alexander
(US/US); Apartment 7F, 1349 Lexington Avenue, New
York, NY 10128 (US).(74) Agents: TENSER, Arthur, S. et al.; Brumbaugh, Graves,
Donohue & Raymond, 30 Rockefeller Plaza, New York,
NY 10112 (US).(81) Designated States: AL, AM, AT, AU, AZ, BB, BG, BR, BY,
CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL,
IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV,
MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU,
SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ,
VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian
patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European
patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT,
LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI,
CM, GA, GN, ML, MR, NE, SN, TD, TG).

Published

With international search report.

(54) Title: Y-SHUTTLE STENT ASSEMBLY FOR BIFURCATING VESSELS



(57) Abstract

The present invention relates to a Y shuttle stent delivery system to be used in the placement of one or more stents (6) in a bifurcating vessel. In particular, the stent delivery system of the invention comprises a tubular stent delivery catheter (or "shuttle") having a Y shaped bifurcated expandable deployment segment (8-11) which may be inserted into both branches of a bifurcating vessel. One or more stents (6) may be mounted, in a contracted conformation, on the deployment segment, and may be deployed in both branches of the vessel simultaneously by expanding the deployment segment by an ancillary means, such as one or more balloon catheters (7a, 7b), positioned within the shuttle.